

### Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <a href="http://about.jstor.org/participate-jstor/individuals/early-journal-content">http://about.jstor.org/participate-jstor/individuals/early-journal-content</a>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

### INDEX

TO THE

### PHILOSOPHICAL TRANSACTIONS

### FOR THE YEAR 1860.

#### A.

Abbeville, occurrence of flint-implements at, 277; sections at, 282 (see Prestwich). Admiralty Standard Compass, 358.

Alloys, electric conducting power of, 161; specific gravity of, 177 (see MATTHIESSEN).

Amiens, occurrence of flint-implements at, 277; sections at, 288 (see Prestwich).

Andrews (Dr. T.) and Tair (Professor P. G.). On the Volumetric Relations of Ozone, and the Action of the Electrical Discharge on Oxygen and other Gases, 113.—Oxygen and ozone, 113; hydrogen and some other gases, 125; note, 130.

Arsenic-bases, and bases with arsenic and nitrogen, and arsenic and phosphorus, 518 (see Hofmann).

Attraction of ellipsoids, 1 (see Donkin).

В.

Bakerian Lecture, the, 185 (see FAIRBAIRN).

Beale (Professor L. S.). On the Distribution of Nerves to the Elementary Fibre of Striped Muscle, 611.—Mode of preparing the specimens, 617; conclusions, 618; explanation of the plate, 618. Bisulphide of carbon, test for, 431.

Boiling-point, relation between, and composition, 257.

BREWSTER (Sir D.) and GLADSTONE (Dr. J. H.). On the Lines of the Solar Spectrum, 149.—Atmospheric lines, 153; lines produced by absorbent media, 157; origin of lines, 157.

Brinkley (Dr.). On certain Formulæ investigated by, 319 (see Herschel).

C.

Calculus of operations, on an extended form of the index symbol in the, 13.

Calorimeter for determining radiating powers, 379.

Caoutchine, 241 (see WILLIAMS).

Caoutchouc, composition of, 253.

CARPENTER (Dr. W. B.). Researches on Foraminifera. Fourth Series, 535.—Genus Polystomella, 535; Tinoporus, 557; Carpenteria, 564; concluding summary, 569; explanation of plates, 586. Carpenteria, 564.

CAYLEY (A.). On the Equation of Differences for an Equation of any Order, and in particular for Equations of the Orders Two, Three, Four, and Five, 93.

Note respecting Formulæ of Dr. Brinkley's, 321.

Colour-blindness, 78 (see MAXWELL).

Compass, deviations of the, on board ship, 337; Admiralty standard, 358 (see Evans).

Compound colours, on the theory of, 57 (see MAXWELL).

Copper, on the effect of metals and metalloids on the electric conducting power of pure, 85.

Crystallographic determinations of artificial crystals, 416-522.

Cubics, quaternary, 229 (see Salmon).

D.

DE LA RUE (W.) and MÜLLER (H.). On the Resin of Ficus rubiginosa, and a new Homologue of Benzylic Alcohol, 43.—Sycoretin, 45; acetate of sycoceryl, 47; alcohol of sycoceryl, 50.

Disulphide of carbon, test for, 431; itself a test for phosphorus-bases, 431.

DONKIN (Professor W. F.). On the Analytical Theory of the Attraction of Solids bounded by surfaces of a hypothetical Class including the Ellipsoid, 1.

E.

EARNSHAW (Rev. S.). On the Mathematical Theory of Sound, 133.—Wave-motion when change of temperature is neglected, 133; when not neglected, 143.

Electrical discharge, effect of, on gases, 113 (see Andrews).

Elliptic and ultra-elliptic functions, 223 (see Merrifield).

Equation of differences, 93 (see Cayley).

Evans (F. J.). Reduction and Discussion of the Deviations of the Compass observed on board of all the Iron-built Ships, and a selection of the Wood-built Steam-ships in Her Majesty's Navy, and the Iron Steam-ship 'Great Eastern,' 337.

EVANS (J.), letter from, on the form and nature of flint-implements found near Abbeville and Amiens, 310.

F.

FAIRBAIRN (W.) and TATE (T.). The Bakerian Lecture. Experimental Researches to determine the Density of Steam at different Temperatures, and to determine the Law of Expansion of Superheated Steam, 185.—Saturation-gauge, 186; experiments at pressures varying from 15 to 70 pounds per square inch, 190; at pressures less than the atmospheric pressure, 208; generalization of results, 219.

Ficus rubiginosa, on the resin of, 43 (see De la Rue).

INDEX. 623

Flint-implements, occurrence of, associated with the remains of animals of extinct species, 277. Foraminifera, researches on the, 535 (see Carpenter).

G.

GLADSTONE (Dr. J. H.) and Brewster (Sir D.). On the Lines of the Solar Spectrum, 149 (see Brewster).

Gold, electric conducting power of pure, 175.

Great Eastern Steam-ship, compass deviations in, 375; changes in the magnetism of, 376.

H.

HERSCHEL (Sir J. F. W.). On the Formulæ investigated by Dr. Brinkley for the general Term in the Development of Lagrange's Expression for the Summation of Series and for successive Integrations, 319; note by A. Cayley, 321.

HOFMANN (Dr. A. W.). Contributions to the History of the Phosphorus-Bases. First memoir, 409.

—Triethylphosphine, preparation of, 410; oxide and other compounds and derivatives of, 412; experiments in the methyl-series, 446.

Second memoir. Theory of Diatomic Bases, 449.—Ethylene group, action of dibromide of ethylene on triethylphosphine, 452; series of monatomic compounds, monophosphonium compounds, 454; series of diatomic compounds, diphosphonium compounds, 470; paradiphosphonium compounds, 489.

Third memoir. Phosphammonium- and phospharsonium-, diarsonium- and arsammonium-compounds, 497. Series of the mixed diatomic bases, 507; phosphammonium-compounds, 507; phospharsonium-compounds, 518; monarsonium-compounds, 521; diarsonium-compounds, 524; methylene, propylene, &c. groups, 527; table of compounds formed, 530.

HOLZMANN (Dr. M.) and MATTHIESSEN (Dr. A.). On the Effect of the presence of Metals and Metalloids on the Electric Conducting Power of Pure Copper, 85.

HOPKINS (W.). On the Construction of a new Calorimeter for determining the Radiating Powers of Surfaces in Air; and its application to the Surfaces of various Mineral Substances, 379.

Hoxne, flint-implements discovered at, 304 (see Prestwich).

I.

Isoprene, 241 (see WILLIAMS).

J.

Joule (Dr.) and Thomson (Professor). On the Thermal Effects of Fluids in Motion, 325 (see Thomson).

K.

KOPP (Dr. H.). On the Relation between Boiling-point and Composition in Organic Compounds, 257.

L.

Liver, sugar formation in, 595.

M.

Magnetism in iron-built ships, 343; its early changes, 349.

MATTHIESSEN (Dr. A.) and HOLZMANN (Dr. M.). On the Effect of Metals and Metalloids on the Electric Conducting Power of Pure Copper, 85.

MATTHIESSEN (Dr. A.). On the Electric Conducting Power of Alloys, 161.—General conclusions, 171; Appendix, on the electric conducting power of pure gold, 175.

On the Specific Gravity of Alloys, 177.

Maxwell (Professor J. C.). On the Theory of Compound Colours, and the Relations of the Colours of the Spectrum, 57.—Description of an instrument for making definite mixtures of the colours of the spectrum, 65; results, 70; general conclusions, 77; postscript, relating to the vision of the colour-blind, 78.

MERRIFIELD (C. W.). On a new Method of Approximation applicable to Elliptic and Ultra-elliptic Functions, 223.—Addendum, 226.

MÜLLER (H.) and DE LA RUE (W.). On the Resin of Ficus rubiginosa, &c., 43 (see DE LA RUE). Muscle, distribution of nerves to, 611 (see BEALE).

N.

Nerves, distribution of, to striped muscle, 611 (see Beale).

Nitrous acid gas, lines produced by the absorption of light by, 157 (see Brewster).

0.

Ozone, formation of an oxide of a hydrocarbon by means of, 246 (see Williams).

———, volumetric relations of, 113 (see Andrews).

Ρ.

PAVY (Dr. F. W.). Researches on Sugar Formation in the Liver, 595.—Conclusions, 608.

Phosphorus-bases, 409; bases containing phosphorus and nitrogen, and phosphorus and arsenic, 497 (see HOFMANN).

Polystomella, 535.

PRESTWICH (J.). On the Occurrence of Flint-implements, associated with the Remains of Animals of Extinct Species in Beds of a late Geological Period, in France at Amiens and Abbeville, and in England at Hoxne, 277.

R.

Radiating powers, determination of absolute, 379.

S.

St. Acheul, flint-implements found at, 277 (see Prestwich).

Salmon (Rev. G.). On Quaternary Cubics, 229.

Saturation-gauge, 186.

Sella (Quintino), determination by, of the forms of various artificial crystals, 416-522.

INDEX. 625

Solar spectrum, relations of the colours of the, 57 (see Maxwell); lines of the, 149 (see Brewster).

Sound, on the mathematical theory of, 133 (see Earnshaw).

Species, range of variation of, 570.

Specimens, preparation of anatomical, for the microscope, 617.

Spottiswoode (W.). On an Extended Form of the Index Symbol in the Calculus of Operations, 13.—Postscript, 39.

Steam, density of, and law of expansion of superheated, 185 (see FAIRBAIRN).

Sycoceryl, acetate of, 47; alcohol of, 50.

Sycoretin, 45.

T.

TAIT (Professor P. G.) and Andrews (Dr. T.). On the Volumetric Relations of Ozone, &c., 113 (see Andrews).

TATE (T.) and FAIRBAIRN (W.).—The Bakerian Lecture. Experimental Researches to determine the Density of Steam, &c., 185 (see FAIRBAIRN).

Thermal effects of fluids in motion, 325 (see Thomson).

THOMSON (Professor W.) and JOULE (Dr. J. P.). On the Thermal Effects of Fluids in Motion.—Part III. On the Changes of Temperature experienced by bodies moving through Air, 325.

Tinoporus, 557.

Triethylphosphine, preparation of, 410; oxide, &c. of, 412; employment of, as a test for disulphide of carbon, 431 (see HOFMANN).

Twin axis a zone-axis not perpendicular to a crystalline face, 520.

### W.

WILLIAMS (C. G.). On Isoprene and Caoutchine, 241.—Action of atmospheric oxygen on isoprene, 245; caoutchine, 246; composition of caoutchouc, 253; summary of results, 255.

### PRESENTS

RECEIVED BY

## THE ROYAL SOCIETY,

WITH THE

### NAMES OF THE DONORS.

### From November 1859 to June 1860.

Presents.	Donors.
ACADEMIES and SOCIETIES.	
Albany:—Transactions of the Albany Institute. Vol. IV. Part 1. 8vo. Albany	The Institute.
1857. Amsterdam:—Bijdragen tot de Dierkunde uitgegeven door het Koninklijk Zoo-	The Society.
logisch Genootschap. Afl. 7 & 8. fol. Amsterdam 1858-59.	•
Antwerp:—Bulletin de la Société Paléontologique de Belgique, fondée à Anvers, le 1 <sup>er</sup> Mai 1858. Tome I. feuilles 1–4. 8vo. Anvers 1859.	The Society.
Basel:—Verhandlungen der Naturforschenden Gesellschaft. Theil 2. Heft 2, 3. 8vo. Basel 1859.	The Society.
Batavia:—	
Verhandelingen der Natuurkundige Vereeniging in Nederlandsch Indië. Deel 3, 4. 4to. <i>Batavia</i> 1857–58.	The Union.
Natuurkundige Tijdschrift. Deel 14. Afl. 4-6; Deel 15, 16, 17. 8vo. Batavia 1857-58.	
Berlin:—	
Abhandlungen der K. Akademie der Wissenschaften. Aus dem Jahre 1854. Zweiter Supplement-Band. 4to. Berlin 1859.	The Academy.
Aus dem Jahre 1858. 4to. Berlin 1859.	
Monatsbericht. March to December 1859; January to April 1860. 8vo.	Constitution of the Consti
Title pages, Vorbericht, and Index Map, completing the Catalogue and Star Maps published by the Royal Academy of Sciences, Berlin, 1859.	
Physikalischen Gesellschaft. Die Fortschritte der Physik im Jahre 1856. XI. Jahrg. Abth. 2: im Jahre 1857. XIII. Jahrg. Abth. 1, 2. 8vo. Berlin 1859.	The Society.
Bern:—Mittheilungen der Naturforschenden Gesellschaft. Nos. 1–38; 57–330. 8vo. Bern 1843–1854.	The Society.
Birmingham:—Institution of Mechanical Engineers. Proceedings. 9 Vols. 1847–58. JanSept. 1859, five Parts. (With 14 Sheets of Diagrams.) 8vo. Birmingham 1849–59.	The Institution.

 $\alpha$ 

MDCCCLX.

Donors.

Presents.

A	CADEMIES and SOCIETIES (continued).	
	Bombay: Medical and Physical Society. Transactions. (New Series.) Vol. IV.	The Society.
	8vo. Bombay 1859.	·
	Breslau:—Sechs und dreissigster Jahres-Bericht der Schlesischen Gesellschaft	The Society.
	für vaterländische Kultur: im Jahre 1858. 4to. Breslau.	
	Brussels:—	
	Mémoires de l'Académie Royale des Sciences. Tome I, 1818. Tome IX. 1833. Tome XXXI. 1859. 4to. Bruxelles.	The Academy.
	Mémoires couronnés et Mémoires des Savants étrangers. Tome XXIX. 4to. Bruxelles 1858.	
	Mémoires couronnés et autres Mémoires publiés par l'Académie. Tome VIII. 8vo. Bruxelles 1859.	
	Annuaire de l'Académie Royale. 25 <sup>me</sup> Année. 8vo. Bruxelles 1859.	
	Bulletins de l'Académie. Tomes IV. V. VI. Série 2. 8vo. Bruxelles 1858-59.	Secretario de Managario atmostraggia spirito P
	Tables générales et analytiques du Recueil des Bulletins. 1 <sup>re</sup> Série. Tome I. à XXIII. 8vo. Bruxelles 1858.	
	Rymbybel van Jacob van Maerlant. 2de Deel. 8vo. Brussel 1859.	
	Calcutta:—	
	Journal of the Asiatic Society of Bengal. Nos. 3, 4, 1859. 8vo. Calcutta.	The Society.
	Correspondence between the Government of India and the Asiatic Society	
	of Bengal relative to the Establishment of a Public Museum in Calcutta.	
	fol. Calcutta 1859.	
	Memoirs of the Geological Survey of India. Vol. I. Part 3. 8vo. Calcutta 1859.	The Geological Museum
	Christiania:	
	Forhandlinger i Videnskabs-Selskabet Aar 1858. Svo. Christiania 1859.	The University.
	Nyt Magazin for Naturvidenskaberne. Physiographiske Forening. 10 <sup>de</sup> Binds. 4 <sup>de</sup> Hefte. 11 <sup>te</sup> Binds. Heft. 1, 2. 8vo. <i>Christiania</i> 1859–60.	
	Ueber die Geometrische Repräsentation der Gleichungen zwischen zwei veränderlichen reellen oder Komplexen Grössen. Von C. A. Bjerknes.	- Anna Anna Anna Anna Anna Anna Anna Ann
	4to, Christiania 1859.	
	Karlamagnus Saga ok Kappa Hans. Af C. R. Unger, Vol. I. 8vo. Christiania 1859.	
	Chronica Regym Manniæ et Insularum. By P. A. Munch. Svo. Christiania 1860. (Two Copies.)	*
	Al-Mufassal, Opus de Re Grammatica Arabicum. Edidit J. P. Broch. Svo.  Christianiæ 1859.	MATERIAL SERVICE SERVICES AND S
	Tale ved det Norske Universitets Mindefest for Kong Oscar den 22 <sup>de</sup> Septem-	
	ber 1859. Af J. S. Welhaven, 8vo. Christiania 1859.	
	Personalier oploeste ved Hans Majestaet Kong Oscar den I's Begravelse i Rid-	Securio/Additional Telecomonical Securior Securi
	derholmskirken den 8 <sup>de</sup> August 1859. 8vo. Christiania 1859.	
	Det Kongelige Norske Frederiks Universitets Aarsberetninger for Aarene 1856, 1857 og 1858. 8vo. Christiania 1859.	
	Copenhagen:—	
	Det Kongelige Danske Videnskabernes Selskabs Skrifter. Femte Række, Naturvid. og Math. Afdeling. Fjerde Binds. Hefte 2. Femte Binds.	The Society.
	Hefte 1. 4to. Kjöbenhavn 1859.	
	Oversigti Aaret 1858. 8vo. Kjöbenhavn.	-

### ACADEMIES and SOCIETIES (continued).

Copenhagen:-

Iagttagelser over den Postpliocene eller Glaciale Formation i en del af det Sydlige Norge, af Prof. Dr. M. Sars og Lector Th. Kjerulf. 4to. Christiania 1860. The Society.

Dijon:—Mémoires de l'Académie Impériale des Sciences, Arts et Belles Lettres. 2<sup>me</sup> Série. Tome VII. 8vo. *Dijon* 1859. The Academy.

Dublin:--

Royal Irish Academy. Transactions. Vol. XXIII. Part 2. 4to. Dublin 1859.

Proceedings. Vol. VII. Parts 1–8. 8vo. Dublin 1858–59.

The Academy.

Royal Dublin Society. Journal. No. 15. 8vo. Dublin 1859.

The Society.

Journal of the Geological Society. Vol. VIII. Part 2. 8vo. Dublin 1859.

The Society.

Proceedings of the Dublin University Zoological and Botanical Association. Vol. I. Part 1. 8vo. Dublin 1858.

The Association.

The Natural History Review. Vol. VI. Nos. 1-3. 8vo. Dublin 1859.

Edinburgh:—

Royal Society. Transactions. Vol. XXII. Part 1. 4to. Edinburgh.

The Society.

Proceedings. Vol. IV. No. 49. 8vo.

The Society.

Royal Scottish Society of Arts. Transactions. Vol. V. Parts 2, 3. 8vo. Edinburgh 1859-60.

The Institute.

Architectural Institute of Scotland. Transactions. Vol. V. Part 2, 8vo. Edinburgh 1859.

Falmouth:—Royal Cornwall Polytechnic Society. Twenty-sixth and Twenty-seventh Annual Reports. 8vo. Falmouth 1858, 1859.

The Society.

Geneva:—Mémoires de la Société de Physique et d'Histoire Naturelle. Tome XV. 1ère Partie. 4to. Genève 1859.

The Society.

Göttingen:---

Abhandlungen der Königlichen Gesellschaft der Wissenschaften zu Göttingen. Band 8. 4to. Göttingen 1860.

The Society.

Nachrichten .. vom Jahre 1858: vom Jahre 1859. 8vo. Göttingen.

Halle:-

Abhandlungen herausgegeben von der Senckenbergischen Naturforschenden Gesellschaft. Band 3. Lief 1. 4to. Frankfurt a. M. 1859.

The Society.

Zeitschrift für die Gesammten Naturwissenschaften, herausgegeben von dem Naturw. Vereine für Sachsen und Thüringen in Halle. Bd. 11, 12. 8vo. Berlin 1858.

The Verein.

Jena:--

Novorum Actorum Academiæ Cæsareæ Leopoldino-Carolinæ Germanicæ Naturæ Curiosorum. Tomus XXIX. 4to. Jenæ 1860.

The Academy.

Leopoldina amtliches Organ der Kais, Leop. Carol. Deutschen Akademie der Naturforscher. Heft 1. 4to. *Jena* 1859.

The University.

Kiel:—Schriften der Universität: aus dem Jahre 1858. Band 5. 4to. Kiel 1859.

The Society.

Lausanne:—Bulletin de la Société Vaudoise. Tome II. Nos. 16–19. 1847–48; Tome V. No. 42. 1858; Tome VI. No. 43–46. 1859–60. 8vo. Lausanne.

.

Leeds:—Philosophical and Literary Society. Annual Report for 1858-59. 8vo. Leeds 1859.

The Society.

ADEMIES and SOCIETIES (continued).	
Leipzig:—	
Abhandlungen der Königlich Sächsischen Gesellschaft der Wissenschaften. Ueber ein wichtiges Psychophysisches Gesetz und dessen Beziehung zur	The Society,
Schätzung der Sterngrössen. Von G. T. Fechner. 8vo. Leipzig 1858.	
Die Sage von Nala und Damayanti nach der Bearbeitung des Somadeva.	*****
Von H. Brockhaus. 8vo. Leipzig 1859.	
Neue Beiträge zur Kentniss der Embryobildung der Phanerogamen. I. Von	
W. Hofmeister. 8vo. Leipzig 1859.	
Die Antike Landwirthschaft und das von Thünen'sche Gesetz. Gekronte	*****
Preisschrift. Von H. Wiskemann. 8vo. Leipzig 1859.	
Elektrische Untersuchungen. 4te Abhandlung. Von W. G. Hankel. 8vo.	
Leipzig 1859.	
Berichte über die Verhandlungen: MathPhys. Classe. Heft 2 & 3, 1858.	**************************************
PhilHist. Classe. Heft 2. 8vo. Leipzig 1859.	
Liége:—Mémoires de la Société Royale des Sciences. Tome XIV. 8vo. Liége	The Society.
1859.	•
Liverpool:—	
Historic Society of Lancashire and Cheshire. Transactions. Vol. XI. 8vo.	The Society.
$Liverpool\ 1859.$	
Proceedings of the Literary and Philosophical Society. No. 13. 8vo. Liver-	The Society.
pool~1859.	
London:—	
Board of Trade.—Meteorological Department. Fourth Number of Meteor-	The Board of Trade.
ological Papers. 4to. London 1860.	
Notes on Meteorology, compiled by Rear-Admiral FitzRoy.	
8vo. London 1859.	
British Association. Report of the Twenty-eighth, and Twenty-ninth Meet-	The Association.
ings. 8vo. London 1859, 1860.	
Chemical Society. Quarterly Journal. Vol. XII. Part 4. Vol. XIII. Part 1.	The Society.
8vo. London 1860.	rm a · i
Entomological Society. Transactions. Vol. IV. Parts 6-9. Vol. V. Parts	The Society.
1, 2. 8vo. London 1858, 1859.	m . a
Geological Society. Quarterly Journal. Vol. XV. Parts 3-5. Vol. XVI.	The Society.
Parts 1 & 2. 8vo. London 1859-60.  Geological Survey. Memoirs. Figures and Descriptions illustrative of	Tran Wainston's Community
	Her Majesty's Government.
British Organic Remains. Monograph I. 4to. London 1859.  ———————————————————————————————————	
————— Memoirs. Mineral Statistics of the United Kingdom of	
Great Britain and Ireland for the year 1858. Part 1. By R. Hunt,	
F.R.S. 8vo. London 1859.	
Annual Report of the Director-General of the Geological Survey of the	incommentation apparent constraint
United Kingdom, &c., 1858-59. 8vo.	
Horological Institute. The Horological Journal. Nos. 10 to 22. 8vo. 1859-60.	The Institute.
First Report of the British Horological Association.	<del></del>
Svo. London 1859.	
Horticultural Society. Proceedings. Vol. I. Nos. 1-13. 8vo. London	The Society.
1859-60.	-

Donors.

PRESENTS.

ACADEMIES and SOCIETIES (continued).

and Vol. IV. Part 1. 8vo. Melbourne 1859.

ndon:— Institution of Civil Engineers. Minutes of Proceedings. Vols. VII. & VIII.	The Instituti
Part 2. Vol. IX. Vol. X. Part 2. & Vols. XI. to XVII. 8vo. London 1848-58.	
Address of George Parker Bidder, Esq., on	
his Election as President of the Institution of Civil Engineers. 8vo. London 1860.	
Vessels, to resist great Internal Pressure: By J. A. Longridge. 8vo. London 1860.	
Linnean Society. Journal of Proceedings. Vol. IV. No. 16. Vol. V. No. 17. Supplement to Botany. Vol. IV. 8vo. London 1860.	The Society.
Photographic Society. Journal. Vols. V. & VI. Nos. 58-98. 8vo. 1859-60.	The Society.
Royal Agricultural Society. Journal. Vol. XX. Part 2. 8vo. London 1859.	
Royal Asiatic Society. Journal. Vol. XVII. Part 1. 8vo. London 1859.	The Society.
Royal Astronomical Society. Memoirs. Vol. XXVII. 4to. London 1859.  ———————————————————————————————————	The Society.
Royal Geographical Society. Journal. Vol. XXVIII. 8vo. London 1858.  Proceedings. Vol. III. Nos. 3, 4, 5. Vol. IV.	The Society.
No. 1. 8vo. London 1859-60.	
Royal Institute of British Architects. Papers read Session 1858-59. 4to.	The Institute
Royal Institute of British Architects. Papers read Session 1858-59. 4to.  London 1859.  List of Members, Report of Council,	The Institute
Royal Institute of British Architects. Papers read Session 1858-59. 4to. London 1859.	***
Royal Institute of British Architects. Papers read Session 1858-59. 4to.  London 1859.  List of Members, Report of Council, &c., 1859.  Royal Institution. Notices of the Proceedings. Part 9. 1859. 8vo.  List of Members, and Report of the Visitors for the year	The Institute The Instituti
Royal Institute of British Architects. Papers read Session 1858-59. 4to.  London 1859.  List of Members, Report of Council, &c., 1859.  Royal Institution. Notices of the Proceedings. Part 9, 1859. 8vo.	***
Royal Institute of British Architects. Papers read Session 1858-59. 4to.  London 1859.  List of Members, Report of Council, &c., 1859.  Royal Institution. Notices of the Proceedings. Part 9. 1859. 8vo.  List of Members, and Report of the Visitors for the year 1858. 8vo. 1859.  Royal Medical and Chirurgical Society. Medico-Chirurgical Transactions. Vol. XLII. 8vo. London 1859.  Proceedings. Vol. III. Nos. 2, 3.	The Instituti
Royal Institute of British Architects. Papers read Session 1858-59. 4to.  London 1859.  List of Members, Report of Council, &c., 1859.  Royal Institution. Notices of the Proceedings. Part 9. 1859. 8vo.  List of Members, and Report of the Visitors for the year 1858. 8vo. 1859.  Royal Medical and Chirurgical Society. Medico-Chirurgical Transactions.  Vol. XLII. 8vo. London 1859.	The Instituti
Royal Institute of British Architects. Papers read Session 1858-59. 4to.  London 1859.  List of Members, Report of Council, &c., 1859.  Royal Institution. Notices of the Proceedings. Part 9. 1859. 8vo.  List of Members, and Report of the Visitors for the year 1858. 8vo. 1859.  Royal Medical and Chirurgical Society. Medico-Chirurgical Transactions. Vol. XLII. 8vo. London 1859.  Proceedings. Vol. III. Nos. 2, 3. 8vo. London 1859-60.  Royal Society of Literature. Transactions. Second Series. Vol. VI. Parts	The Instituti The Society.
Royal Institute of British Architects. Papers read Session 1858-59. 4to.  London 1859.  List of Members, Report of Council, &c., 1859.  Royal Institution. Notices of the Proceedings. Part 9. 1859. 8vo.  List of Members, and Report of the Visitors for the year 1858. 8vo. 1859.  Royal Medical and Chirurgical Society. Medico-Chirurgical Transactions. Vol. XLII. 8vo. London 1859.  Proceedings. Vol. III. Nos. 2, 3. 8vo. London 1859-60.  Royal Society of Literature. Transactions. Second Series. Vol. VI. Parts 2, 3. 8vo. London 1859-60.  Society of Arts. Journal. Vol. VII. Nos. 339-364. Vol. VIII. Nos. 365-	The Instituti The Society. The Society.
Royal Institute of British Architects. Papers read Session 1858-59. 4to.  London 1859.  List of Members, Report of Council, &c., 1859.  Royal Institution. Notices of the Proceedings. Part 9. 1859. 8vo.  List of Members, and Report of the Visitors for the year 1858. 8vo. 1859.  Royal Medical and Chirurgical Society. Medico-Chirurgical Transactions.  Vol. XLII. 8vo. London 1859.  Proceedings. Vol. III. Nos. 2, 3. 8vo. London 1859-60.  Royal Society of Literature. Transactions. Second Series. Vol. VI. Parts 2, 3. 8vo. London 1859-60.  Society of Arts. Journal. Vol. VII. Nos. 339-364. Vol. VIII. Nos. 365-395. 8vo. 1859-60.	The Instituti The Society. The Society. The Society.
Royal Institute of British Architects. Papers read Session 1858-59. 4to.  London 1859.  List of Members, Report of Council, &c., 1859.  Royal Institution. Notices of the Proceedings. Part 9. 1859. 8vo.  List of Members, and Report of the Visitors for the year 1858. 8vo. 1859.  Royal Medical and Chirurgical Society. Medico-Chirurgical Transactions.  Vol. XLII. 8vo. London 1859.  Proceedings. Vol. III. Nos. 2, 3. 8vo. London 1859-60.  Royal Society of Literature. Transactions. Second Series. Vol. VI. Parts 2, 3. 8vo. London 1859-60.  Society of Arts. Journal. Vol. VII. Nos. 339-364. Vol. VIII. Nos. 365-395. 8vo. 1859-60.  Statistical Society. Journal. Vol. XXII. Part 2. 8vo. London 1859.	The Instituti The Society. The Society. The Society. The University
Royal Institute of British Architects. Papers read Session 1858-59. 4to.  London 1859.  List of Members, Report of Council, &c., 1859.  Royal Institution. Notices of the Proceedings. Part 9. 1859. 8vo.  List of Members, and Report of the Visitors for the year 1858. 8vo. 1859.  Royal Medical and Chirurgical Society. Medico-Chirurgical Transactions. Vol. XLII. 8vo. London 1859.  Proceedings. Vol. III. Nos. 2, 3. 8vo. London 1859-60.  Royal Society of Literature. Transactions. Second Series. Vol. VI. Parts 2, 3. 8vo. London 1859-60.  Society of Arts. Journal. Vol. VII. Nos. 339-364. Vol. VIII. Nos. 365-395. 8vo. 1859-60.  Statistical Society. Journal. Vol. XXII. Part 2. 8vo. London 1859.  The London University Calendar, 1860.  United Service Institution. Journal. Vol. II. Appendix, and Vol. III.	The Instituti The Society. The Society. The Society.
Royal Institute of British Architects. Papers read Session 1858-59. 4to.  London 1859.  List of Members, Report of Council, &c., 1859.  Royal Institution. Notices of the Proceedings. Part 9, 1859. 8vo.  List of Members, and Report of the Visitors for the year 1858. 8vo. 1859.  Royal Medical and Chirurgical Society. Medico-Chirurgical Transactions.  Vol. XLII. 8vo. London 1859.  Proceedings. Vol. III. Nos. 2, 3. 8vo. London 1859-60.  Royal Society of Literature. Transactions. Second Series. Vol. VI. Parts 2, 3. 8vo. London 1859-60.  Society of Arts. Journal. Vol. VII. Nos. 339-364. Vol. VIII. Nos. 365- 395. 8vo. 1859-60.  Statistical Society. Journal. Vol. XXII. Part 2. 8vo. London 1859.  The London University Calendar, 1860.  United Service Institution. Journal. Vol. II. Appendix, and Vol. III. Nos. 9 & 10. 8vo. London 1859.  University College, London. Proceedings at the Annual General Meeting,	The Institution The Society. The Society. The Society. The University The Institution

**1-**

### PRESENTS. Donors. ACADEMIES and SOCIETIES (continued). Milan:-Memorie dell' I. R. Istituto Lombardo di Scienze, Lettere ed Arti. Vol. VII. The Institute. Fasc. 4-8. Vol. VIII. Fasc. 1. 4to. Milano 1858-59. Atti. Vol. I. Fasc. 6-16. 4to. Milano 1858-59. Monumento al Cavaliere Dottore Luigi Sacco, &c. 8vo. Milano 1858. Atti della Fondazione Scientifica Cagnola nel 1858. Vol. II. Part 2. 8vo. Milano 1858. Moscow:-Nouveaux Mémoires de la Société Impériale des Naturalistes. Tome VIII. The Society. 4to. Moscou 1846. Bulletin. Année 1854, Nos. 2, 3, 4. Année 1855, No. 1. Année 1858, Nos. 2, 3, 4. Année 1859, No. 1. 8vo. Moscou. Rapport sur les Travaux de la Société Impériale d'Agriculture de Moscou The Society. pendant l'Année 1857. 8vo. Paris 1859. Munich:-Gelehrte Anzeigen. Band 48. 4to. München 1859. The Academy. Almanach der K. Bayerischen Akademie, 1859. 8vo. München. Erinnerung an Mitglieder der Math.-Phys. Classe der Akademie der Wissenschaften. Eine Rede..von Dr. C. F. P. von Martius. 4to. München 1859. Rede bei der Hundertjachrigen Stiftungsfeier.. am 28 Mærz 1859. Von G. L. Maurer. 4to. München 1859. Rede in der offentlichen Sitzung am 28 März 1860. Von Justus Freiherrn von Liebig. 4to. München 1860. Von der Bedeutung der Sanskritstudien für die Griechische Philologie. Festrede..von Dr. W. Christ. 4to. München 1860. Erinnerungen von Johann Georg von Lori. 4to. München 1859. Monumenta Saecularia. Francisci Petrarcae Aretini Carmina incognita:-Dexippi Philosophi Platonici in Aristotelis Categorias Dubitationes et Solutiones:—Philosophie und Theologie von Averroes:—Untersuchungen über die Lichstärke der Planeten Venus, Mars, Jupiter und Saturn:-Theodosii Meliteni Chronographia:—Die Entdeckung Amerikas nach den Ältesten Quellen geschichtlich dargestellt. One vol. 4to. München 1859. Atlas zur Entdeckungs-Geschichte Amerikas. Elephant. München 1859. The Club. Newcastle-upon-Tyne: -Transactions of the Tyneside Naturalists' Field Club. Vol. IV. Part 2. Svo. Newcastle-upon-Tyne 1859. The Society. Newhaven: - Journal of the American Oriental Society. Vol. I. No. 1. Second Edition. Vols. II. III. IV. V. 8vo. New York and London 1850-56. New York:-American Geographical Society. Journal. Vol. I. Nos. 1-3. 4to. New York The Society. 1859. American Geographical and Statistical Society. Annual Report of the The Society. Council and Officers, with Appendix, 1857. 8vo. New York 1858. The Lyceum. Annals of the Lyceum of Natural History. Vol. VI. Nos. 8-13. Vol. VII. Nos. 1-3. 8vo. New York 1858-59. New York State: Medical Society. Transactions for the year 1858. 8vo. The Society. Albany 1858.

L (s. 1)	
Presents.	Donors.
ACADEMIES and SOCIETIES (continued).	
Paris:—	
Mémoires de l'Institut. Académie des Inscriptions et Belles Lettres. Tome XXIII. 4to. Paris 1858.	The Institute.
Mémoires présentés par divers Savants à l'Académie des Sciences. Sciences Mathématiques et Physiques. Tome XV. 4to. Paris 1858.	BA-mar-Million of the control of the
Mémoires présentés par divers Savants à l'Académie des Inscriptions. Première série, Sujets divers d'Erudition. Tome V. 4to. Paris 1858.	
Mémoires de l'Académie des Sciences. Tome XXVI. Tome XXVII. Part 2. Tome XXXI. Parts 1 & 2. 4to. Paris 1860.	1
Annuaire de l'Institut pour 1860. 12mo. Paris 1860.	
Comptes Rendus de l'Académie des Sciences. Vol. XLVIII. Nos. 22–25. Vol. XLIX. Nos. 2, 3, 5, 6, 8, 10, 11, 14, 16, 17, 21, 24, 25. Vol. L. Nos. 2, 3, 5, 6, 7, 8, 12, 13, 14, 15, 18, 19, 21–24. 4to. Paris 1859–60.	<del></del>
Annales des Mines, Tome IX, Liv. 3, 1856. Tome XIV. Liv. 6. Tome XV. Liv. 1-3. Tome XVI. Liv. 4. 8vo. Paris 1858-59.	L'École des Mines.
Connaissance des Temps: 1858, 1859, 1860, 1861. 8vo. Paris 1855-58.	Bureau des Longitudes.
Société de Géographie. Bulletin. 4 <sup>me</sup> Série. Tomes XVII. XVIII. 8vo. Paris 1859.	The Society.
Société Géologique. Bulletin. Tome XV. Feuilles 43-52. 1857-58. Tome XVI. Feuilles 24-64. Tome XVII. Feuilles 1-12. 1858-60. 8vo. Paris.	The Society.
Liste des Membres. Juillet 1859. 8vo.	The same of the sa
Société Impériale Zoologique d'Acclimation. Bulletin mensuel. Tome VI. Nos. 7 & 8. 8vo. Paris 1859.	The Society.
Société Orientale. Bulletin. 17e Année. No. 6. 8vo. 1859.	The Society.
Dépôt de la Marine. Annales Hydrographiques. Tomes XIV. XV. Année 1858. 8vo. Paris 1858.	Dépôt de la Marine.
Annuaire des Marées des Côtes de France pour l'An 1859 et l'An 1860. 12mo.  Paris 1858-59.	
Description Nautique des Açores. 8vo. Paris 1858.	**************************************
des Iles du Cap Vert. 8vo. Paris 1858.	***************************************
du Madère et des Canaries. 8vo. Paris 1858.	And the same of th
(Extraits du Manuel de la Navigation, &c.)	,
Instructions Nautiques destinées à accompagner les Cartes de Vents et de Courants par M. F. Maury. Traduites par E. Vaneechout. 4to. Paris	
1859.	
Mer du Nord. 1 <sup>re</sup> Partie. Iles Shetland—Iles Orcades. Traduction du Pilote de l'Amirauté Anglaise. 8vo. <i>Paris</i> 1858.	-
Phares de la Mer du Nord, &c.—des Côtes des Iles Britanniques—des Côtes	- the control of the parameter of the control of th
Nord et Ouest de France—de la Mer Méditerranée, &c.—des Côtes Orien-	
tales de l'Amérique Anglaise, &c.—de la Mer des Antilles, &c.—des Côtes	
Occidentales d'Afrique, &c.—des Côtes Orientales de l'Amérique du Sud	
—des Mers des Indes et de Chine—du Grand Océan, &c. Nos. 216-225.	
8vo. Paris 1859; Modifications et Additions au Livre des Phares jusqu'au	

15 Nov. 1859. 8vo. Paris. Pilote Norvégien. 8vo. Paris 1858. PRESENTS.

Donors.

ACADEMIES and SOCIETIES (continued).	
Paris:—	
Recherches Chronométriques. Cahiers 1-3, 8vo. Paris 1859.	Dépôt de la Marine.
Renseignements Hydrographiques sur les Iles Formose et Lou-tchou, &c. 8vo. Paris 1859.	
Fifty-six Maps and Charts.	
Petersburg:—	
Mémoires de l'Académie Impériale des Sciences. 7 <sup>me</sup> Série. Tome I. 4to.  Pétersbourg 1859.	The Academy.
Bulletin. Tome I. Feuilles 1-6. 4to. Pétersbourg 1859.	
Philadelphia:—	
Academy of Natural Sciences. Journal. New Series. Vol. IV. Parts 2, 3. 4to. Philadelphia 1859-60.	The Academy.
Proceedings. Nos. 1-19, 1859. Nos. 1-5,	-
20-27, 1860. 8vo. Philadelphia.	
Account of the Remains of a Fossil Extinct Reptile recently discovered at	
Haddonfield, New Jersey. 8vo. <i>Philadelphia</i> 1859. (Excerpt. Proc. Acad. Philad.)	
Franklin Institute. Journal. Vol. XXXV. No. 6, 1858. Vol. XXXVII.	The Institute.
Nos. 5 & 6. Vol. XXXVIII. Nos. 1, 2, 3, 5 & 6. Svo. Philadelphia 1859.	
Vol. XXXIX. Nos. 1-5. No. 6, 1860.	
Manufactures, &c. 8vo. Philadelphia 1858.	
Prague:—	•
Abhandlungen der königlichen Böhmischen Gesellschaft der Wissenschaften. V. Folge. 10 <sup>er</sup> Bd. 4to. <i>Prag</i> 1859.	The Society.
Sitzungsberichte: Januar-Juni, 1859. 8vo. Prag.	
Des Bartholomäus von Sct. Aegidius, Chronik von Prag im Reformations- zeitalter. 8vo. <i>Prag</i> 1859.	-
Systematisch und Chronologisch geordnetes Verzeichniss sämmtlicher Werke und Abhandlungen der k. Böhm. Gesellschaft der Wissenschaften. Von J. J. Hanus. 8vo. <i>Prag</i> 1854.	Mr Pull Million Managements
Rome:—	
Atti dell' Accademia Pontificia de' Nuovi Lincei. Anno XI. Sess. 6, 7. Anno XII. Sess. 1-3. 4to. Roma 1858-59.	The Academy.
Memorie dell' Osservatorio del Collegio Romano Nuova Serie. Nos. 2, 4, 5, 7, 8, 9. 4to. Roma 1859.	**************************************
Sui recenti progressi dell'Astronomia, del P. A. Secchi. 8vo. Roma 1859.	Production advantage -
Escursione scientifica fatta a Norcia ad Occasione del Terremoti del 22 Agosto 1859, del P. A. Secchi. 4to. Roma 1860.	**************************************
Memorie dell'Osservatorio del Collegio Romano. Nuova Serie. No. 1. 4to. 1859.	
Stockholm:—	
Kongliga Svenska Vetenskaps-Akademiens Handlingar. Ny Följd. Andra Bandet. Forsta Häftet. 4to. 1857.	The Academy.
Kongl. Vetenskaps Academiens Handlingar för 1823, och 1832. 8vo. Stock- holm 1824 & 1832.	Properties de la companya del companya de la companya del companya de la companya

	I RESENTS.	Donors.
Į	ACADEMIES and SOCIETIES (continued).	
	Stockholm:—	
	Öfversigt. Femtonde Årgången, 1858. 8vo. Stockholm 1859.	The Academy.
	Berättelse om Framstegen i Fysik under år 1853af E. Edlund. Svo.	-
	Stockholm 1859.	
	Berättelse om Framstegen i Naturalhistoria för 1855 och 1856. Af C. H.	
	Boheman. 8vo. Stockholm 1859.	
	Kongliga Svenska Fregatten Eugenies Resa omkring Jorden, &c. Zoologi III.	Berring Schill Still side control over such public
	4to. Stockholm 1859.	
	Switzerland:—Verhandlungen der allgemeinen schweizerischen Gesellschaft:	The Society.
	17, 18, 19 August 1857. 8vo. Trogen.	
	Toronto:—The Canadian Journal of Industry, Science, and Art. Nos. 21–27.	The Canadian Institute.
	8vo. Toronto 1859–60.	
	Toulouse:—Mémoires de l'Académie Impériale des Sciences, &c. 5 <sup>me</sup> Série.	The Academy.
	Tome III. Svo. Toulouse 1859.	
	Utrecht:—	m a · ·
	Provinciaal Utrechtsche Genootschap. Chronologisch Register op het	The Society.
	Vervolg van het Groot-Charterboek van Van Mieris, aanwezig op het Rijks-	
	Archief te 's Hage. 8vo. Utrecht 1859.	
	Justus van Effen geschetst in zijn Leven en Werken. 8vo. <i>Utrecht</i> 1859. Verslag van het Verhandelde in de Algemeene Vergadering. 1856, 1857,	Characteristic and the contract contrac
	1858, 1859. 8vo. Utrecht 1856-59.	
	Aanteekeningen van de Verhandelde in de Sectie-Vergaderingen: 1855-	
	1859. 5 Parts. 8vo. Utrecht 1856–59.	
	Naamlijst der Leden, 1859. Svo.	**************************************
	Catalogus der Tentoonstelling van voor Nederland belangrijke Oudheden	****
	en Merkwaardigheden, enz. 4to. Utrecht 1857.	
	Royal Netherlands Meteorological Institute. Meteorologische Waarne-	The Institute.
	mingen in Nederland en zijne Bezittingen, &c., 1857 & 1858. 2 Vols.	
	Obl. 4to. Utrecht 1858–59.	
	Van Diemen's Land:—Meteorological Tables, made at Hobart Town, January	The Royal Society, V.D.L.
	to April, June to November 1857, and January 1858. Sheets.	
	Venice:—Atti dell' Istituto Veneto. Tomo IV. Serie 3. Dispensa 6. 8vo.	The Institute.
	Venezia 1858–59.	
	Vienna:—	
	Denkschriften der Akademie der Wissenschaften. Math. Natur. Classe.	The Academy.
	Bd. 17. 4to. Wien 1859.	
	Sitzungsberichte. Phil. Hist. Classe. Bd. 30. Heft 2, 3. Bd. 31. Bd. 32.	Bridge managera (Britania) in control come
	Heft 1, 2. 8vo. 1859.	
	Register zu den Bänden 21 bis 30III. 8vo. Wien 1859.	**************************************
	Math. Natur. Classe. Bd. 35. Heft 10–12. Bd. 36. Heft 13–16. Bd. 37. Heft 17–22. Bd. 38. Heft 23–28. 8vo. 1859.	-
	Register zu den Bänden 21 bis 30. III. 8vo. Wien 1859.	
	Almanach der k. Akademie. Neunter Jahrgang, 1859. 8vo. Wien.	
	Geologischen Reichsanstalt. Jahrbuch. IX. Jahrg. No. 4. X. Jahrg. No.	The Institute.
	1-3. 4to. Wien 1858-59.	
	Jahrbücher der k. k. Central-Anstalt für Meteorologie und Erdmagne-	tican authorizan a componentant
	tismus Von K Kroil Rd 6 4to Wien 1859	

MDCCCLX.

PRESENTS.

Donors.

ACADEMIES and SOCIETIES (continued).	
Vienna:—	
Ansprache gehalten am Schlusse des ersten Decenniums der k. k. Geolo-	The Institute.
gischen Reichsanstalt. Von W. Haidinger. 4to. Wien 1859.	
Die Fossilen Mollusken des tertiaer-Beckens von Wien. Von M. Hörnes.	along the first the second state of the second
Zweiter Band—Bivalven. 4to. Wien.	
Bericht über die erste allgemeine Versammlung von Berg- und Hüttenmän- nern zu Wien, 1858. 8vo. Wien 1859.	* 2
Geographischen Gesellschaft. Mittheilungen. III. Jahrg. Heft 1, 2. 4to. Wien 1859.	The Society.
Washington:—	
Smithsonian Contributions to Knowledge. Vol. X. 4to. Washington 1858.	The Smithsonian Institution.
Annual Report of the Board of Regents, for the year 1857. 8vo. Washington 1858.	- Company of the Company
Würzburg:—	
Verhandlungen der Physicalisch-Medicinischen Gesellschaft. Band 9. Heft 2, 3. Band 10. Heft 1-3. 8vo. Würzburg 1859-60.	The Society.
Würzburger Medicinische Zeitschrift. Band 1. Heft 1. 8vo. Würzburg 1860.	wicher bedernichter zu den
Würzburger Naturwissenschaftliche Zeitschrift. Band 1. Heft 1. 8vo. Würzburg 1860.	
Yorkshire:	
Report of the Proceedings of the Geological and Polytechnic Society of the West Riding of Yorkshire, 1858–59. 8vo. Leeds 1859.	The Society.
Transactions of the South Yorkshire Viewers' Association. Vol. I. Part 1. 8vo. Newcastle-upon-Tyne 1859.	The Association.
Zürich:—Neue Denkschriften der allgemeinen Schweizerischen Gesellschaft. Bd. 16. 4to. Zürich 1858.	The Society.
ADHÉMAR (J.) Révolutions de la Mer. Déluges périodiques. 2 <sup>me</sup> Edition.	The Author.
2 Vols. Texte et Planches. 8vo. Paris 1860.	
ADOLPH (W.) The Simplicity of the Creation; or the Astronomical Monument	The Author.
of the Blessed Virgin, &c. 8vo. London 1859.	
AIRY (G. B., F.R.S.) Astronomical and Magnetical and Meteorological Observations made at the Royal Observatory, Greenwich, in the Year 1858. 4to. London 1860.	The Admiralty.
Instruction and Chart for Observations of Mars in R.A. at the Opposition of 1860. 8vo. London 1858.	enders de sementerante
ALTHEER (J. J.) Korte Schets van de Leer der Verbranding en Zelfver-	The Author.
branding, enz. 8vo. Batavia 1856.	
Eetbare Aardsorten en Geophagie. 8vo.	The Batavian Society.
	der to the state of the same o
standdeel van Cocculus Crispus, D.C. Fam. der Menispermeæ. Svo. <i>Batavia</i> 1859.	
ANONYMOUS:	
Almanaque Naútico para el Año 1861. 8vo. Cádiz 1859.	The Observatory of San Fernando.
A List of the Books of Reference in the Reading Room of the British Museum. 1859.	The Trustees of the British Museum.

### $\begin{bmatrix} 11 \end{bmatrix}$

Donors.

PRESENTS.

#### ANONYMOUS (continued). Censo de la Poblacion de España, segun el recuento Verificado en 24 de Mayo The Spanish Government. de 1857, &c. 4to. Madrid 1858. Nomenclátor de los Pueblos de España, formado por la Comision de Estadística General del Reino. 4to. Madrid 1858. Companion to the Barometer. Calculated and Stereoglyphed by Messrs. W. Gravatt, Esq., F.R.S. Scheutz's Calculating Machine. No. 2, and printed by Machinery. London 1859. Defence of Dr. Gould by the Scientific Council of the Dudley Observatory. The Author. Third Edition. 8vo. Albany 1858. The Legislature of the State Documents relative to the Colonial History of the State of New York; procured in Holland, England and France, by J. R. Brodhead, Esq. Vol. II. of New York. 1858. Vol. VIII. 1857. Vol. X. 1858. 4to. Albany. The College. List of the Fellows, Members, and Extra Licentiates of the Royal College of Physicians, London. 8vo. 1859. Reports of Explorations and Surveys to ascertain the most practicable and The United States Governeconomical Route for a Railroad from the Mississippi River to the Pacific ment. Ocean; in 1853-56. Vol. IX. 4to. Washington 1858. Report of the Secretary of War communicating information respecting the Purchase of Camels for the purposes of Military Transportation. Svo. Washington 1857. Report on Lake Harbour Improvements for 1857. 8vo. Washington 1858. Report and Information concerning Liberia and the Colony at Cape Palmas. 8vo. 1850. Report to the Secretary of State for War on the Results of a Chemical Exa-The Secretary of State for mination for Copper and Lead, &c. fol. London 1859. War. Return of any Experiments made at the Royal Arsenal on Cast Iron for the Manufacture of Cannon, &c. fol. London 1858. Report of the Twenty-seventh Annual Meeting of the Literary Association The Association. of the Friends of Poland, 1859. 8vo. London. The India Office. The Andaman Islands; with Notes on Barren Island. Selections from the Records of the Government of India. No. XXV. 8vo. Calcutta 1859. (With The Forty-second Report of the Society for the Suppression of Mendicity. The Society. 8vo. London 1860. The Nautical Almanac and Astronomical Ephemeris for the Year 1863. 8vo. The Admiralty. London 1859. Nautical Almanac Circular. No. 5. Total Solar Eclipse, 1860, July 18, &c. 8vo. London 1859. Ephemerides of the Minor Planets and Neptune for the Year 1860. 8vo. London 1859. S. C. Hall, Esq. The Royal Gallery of Art. Parts 38-44. fol. London 1859-60. Prof. Dove, For. Mem. R.S. Tabellen und Amtliche Nachrichten über den Preussischen Staat. Ergebnisse der in den Jahren 1846 bis 1857 angestellten Beobachtungen des meteorologischen Instituts. fol. Berlin 1858. Trabalhos do Observatorio Meteorologico do Infante D. Luiz na Escola Poly-The Observatory.

technica. 4º Anno 1858. fol. Lisboa 1859.

#### \_

Presents.	Donors.
ANONYMOUS (continued).	
United States of America. Report of the Postmaster-General for the Year 1857. 8vo.	The Secretary of State, Washington.
ARGELANDER (F. W. A., For. Mem. R.S.) Atlas des Nördlichen Gestirnten	The Author.
Himmels für den Anfang des Jahres 1855, entworfen auf der Königlichen	
Sternwarte zu Bonn. 2-4 Lieferung. Imp. fol. Bonn 1858.	
ARNAUDON (J.) Recherches sur les Bois d'Amarante. 4to. Paris 1858.	The Author.
Recherches sur un nouvel Acide extrait du Bois de Taigu de	Action Company of the
Paraguay. 4to. Paris 1855.	
BACHE (A. D.) Report of the Superintendent of the Coast Survey, &c., 1854. 4to. Washington 1855.	The Coast Survey Office, Washington.
BAER (K. E. von, For. Mem. R.S.) Ueber Papuas und Alfuren. Ein Com-	The Author.
mentar zu den beiden ersten Abschnitten der Abhandlung Crania Selecta, &c.	
4to. St. Pétersbourg 1859.  ———————————————————————————————————	
gicis Academiæ Imperialis Petropolitanæ. 4to. Petropoli 1859. (Extraits	
Mém. Acad. Pétersb.)	
BAINES (M. A.) The Comparative Properties of Human and Animal Milks, &c.	The Authoress.
8vo. London 1860.	
The Practice of Hiring Wet Nurses, &c. 8vo. London 1860.	
BALL (S.) An Account of the Cultivation and Manufacture of Tea in China, &c.	The Author.
8vo. London 1848.	m
BEARDMORE (S.) The Globe Telegraph: an Essay on the Use of the Earth	The Author.
for the Transmission of Electric Signals. 8vo. London 1859.  BÉRON (P.) Atlas Météorologique. Imp. fol. (Eleven coloured Plates.) Paris	The Author.
1860.	The Author.
Texte des Explications des Faits contenus dans l'Atlas Météoro-	-
logique, &c. 4to. Paris 1860.	FD1 4 /1
BIANCONI (J. J.) Specimina Zoologica Mosambicana. Fase. 13. 4to. Bononiæ 1850.	The Author.
BISHOP (J., F.R.S.) The Hunterian Oration delivered at the Royal College	The Author.
of Surgeons of England on February 14th, 1859. 8vo. London 1859.	
BÖHM (J. G.) and KARLINSKI (F.) Magnetische und Meteorologische Beobachtungen zu Prag. 29er Jahrgang. 4to. Prag 1860.	The Observatory.
BOTFIELD (B., F.R.S.) Stemmata Botevilliana. Memorials of the Families	The Author.
of De Boteville, Thynne, and Botfield, in the Counties of Salop and Wilts.	
4to. Westminster 1858.	
BOUCHÉ (A.) Notice sur un nouveau Système de Tables de Logarithmes à	The Author.
cinq Décimales. 8vo. Angers 1859.	
BRUNNOW (F.) Astronomical Notices. Nos. 11–18. 8vo. Albany 1859–60.	The Editor.
Tables of Victoria computed with regard to the Perturba-	The Author.
tions of Jupiter and Saturn. 4to. New York 1859.	Mana D. Dimmed
BURNOUF (E.) and (LEUPOL (L.) Méthode pour étudier la Langue Sanscrite, &c. 8vo. Paris 1859.	Mons. B. Duprat.
BURT (T. S., F.R.S.) Miscellaneous Papers on Scientific Subjects, written	The Author.
chiefly in India. 8vo. London 1837.	THO IMMINUI,
CADODATE (C) Dall A A 11 11 11 C 14 1 0	M1 4 11 ''

CAPORALE (G.) Dell'Agro Aceranno e della sua condizione Sanitaria, &c. The Author.

8vo. Napoli 1859.

Presents.	Donors.
CHASLES (M., For. Mem. R.S.) Histoire des Sciences Mathématiques. 4to. Paris 1859.	The Author.
Rapport sur un Mémoire de M. F. Woepeke,	
intitulé Essai d'une Restitution des Travaux perdus d'Apollonius sur les quantités irrationnelles, &c. 4to. Paris 1853.	
Rapport sur un Ouvrage intitulé Traité de	
Perspective-relief, &c. 4to. Paris 1853.	
Principe de Corréspondance entre deux Ob-	Control of the desire of the second of the s
jets variables, qui peut-être d'un grand usage en Géométrie. 4to. Paris	
1855.	
Les trois Livres de Porismes d'Euclide,	-
rétablis pour la première fois, &c. 4to. Paris 1859.	
Détermination du nombre de Points qu'on	Annother the constitution of the constitution
peut prendre arbitrairement pour former, sur une Courbe donnée d'Ordre $m$ ,	
la base d'un faisceau d'Ordre $n < m$ . 4to. Paris 1857.	
Construction des Racines des Équations du	Annual of the second of the se
troisième et du quatrième degré. 4to. Paris 1855.	
Note sur les Courbes de troisième Ordre,	<del>Section of the Section of the Secti</del>
concernant les Points d'Intersection, &c. 4to. Paris 1855.	
Propriétés des Courbes à double Courbure du	
troisième Ordre. 4to. Paris 1857.	
Construction de la Courbe du troisième Ordre	
déterminée par neuf Points. 4to. Paris 1853 et 1854.	
Propriétés des Courbes du quatrième Ordre.	
Développement des Conséquences du Théorème général concernant la De-	
scription de ces Courbes au Moyen de deux Faisceaux de Coniques. 4to.	
Paris 1853.	
Deux Théorèmes généraux sur les Courbes	
et les Surfaces Géometriques de tous les Ordres. 4to. Paris 1857. (Ex-	
cerpts from the Comptes Rendus and Journal des Mathématiques.)	
HEVREUL (E.) Explication déduite de l'Expérience de plusieurs Phénomènes	The Author.
de Vision concernant la Perspective. 4to. Paris 1859. (Extrait, Tome XXX.)	Ziio ildinoi.
Acad. Sci.) OOLIDGE (R. H.) Statistical Report on the Sickness and Mortality in the	The Director-General of the
Army of the United States from January 1839 to January 1855. Pre-	
	Army Medical Depart-
pared under the Direction of Brevet Brigadier-General Thomas Lawson,	ment.
Surgeon-General U. S. A. 4to. Washington 1856.	F33 A (3
OULVIER-GRAVIER (—.) Recherches sur les Météores et sur les Lois qui	The Author.
les regissent. 8vo. Paris 1859.	
RACE-CALVERT (F., F.R.S.) and JOHNSON (R.) On the Specific Gravity	The Authors.
of Alloys. 8vo. London 1859. (Excerpt from Phil. Mag. 1859.)	
ARWIN (C., F.R.S.) On the Origin of Species by means of Natural Selection,	The Author.
or the Preservation of favoured Races in the Struggle of Life. 8vo. London	
1859.	
AUBENY (G. C. B., F.R.S.) Supplement to Descriptions of Volcanos. 8vo.	The Author.
AVY (Sir Humphry.) Fragmentary Remains, Literary and Scientific with	The Editor.
a Sketch of his Life, &c. Edited by J. Davy, M.D., F.R.S. 8vo. London	
1858.	

# [ 14 ]

Presents.	Donors.
DELESSE (—.) Recherches sur l'Origine des Roches. 8vo. Paris 1858. (Ex-	The Author.
cerpt. Bull. Soc. Géol.)	
DE MORGAN (A.) On the General Principles of which the Composition or	The Author.
Aggregation of Forces is a Consequence. 4to. Cambridge 1859.	
Syllabus of a proposed System of Logic. 8vo. London	and the second s
1860.	
DESNOYERS (J.) Sur des Empreintes de Pas d'Animaux dans le Gypse des	The Author.
Environs de Paris. 8vo. 1859. (Excerpt. Bull. Soc. Géol.)	
DE VERNEUIL, COLLOMB, TRIGER, and COTTEAU (G.) Note sur une	The Authors.
partie du Pays Basque espagnol, accompagnée d'une Carte. 8vo. 1860.	
(Excerpt. Bull. Soc. Géol.)	
DE VRIESE (W. H.) Nederlandsch Kruidkundig Archief. 4de Deel. 4de	The Ministry of the Inte-
Stuk. 8vo. Leijden 1859.	rior of the Netherlands.
ENCKE (J. F., For. Mem. R.S.) Berliner Astronomisches Jahrbuch für 1862.	The Author.
8vo. Berlin 1859.	
FERGUSSON (Lieut. E. F. T.) Magnetical and Meteorological Observations	The India Office.
made at the Honourable East India Company's Observatory, Bombay, in the	
Year 1857. 4to. Bombay 1858.	
FOUCAULT (L.) Mémoire sur la Construction des Télescopes en Verre argenté.	The Author.
4to. Paris 1859. (Extrait du Tom. V. Ann. de l'Obs. Paris.)	
FREMAUX (—.) Recueil de Recherches et d'Observations Pratiques sur le	The Author.
Cholera-Morbus, &c. 8vo. Paris 1860.	F77 A 17
GONNELLA (T.) Descrizione di due Macchine Aritmetiche per l'Addizione. 8vo.	The Author.
Firenze 1859.	
GOULD (B. A.) Reply to the "Statement of the Trustees" of the Dudley Ob-	The Author.
servatory. 8vo. Albany 1859.	Who Andhor by Sin D C
HALLS (J. J.) Two Months in Arrah in 1857. 8vo. London 1860.	The Author, by Sir B. C.
TIAMET (I) Itistical Accorded to Tester lection of the Colvenie and	Brodie, Bart., P.R.S.
HAMEL (J.) Historical Account of the Introduction of the Galvanic and	The Author.
Electro-magnetic Telegraph. 8vo. London 1859.	The Author.
	The Author.
chen Sternwarte zu Gotha. 8vo. 1859. (Excerpt. Berichte, Math. Phys.	
Classe, Leipzig.)  HANSTEEN (C. Fen Many D.C.) Den Magnetiska Trelinations periodiska	The Author.
HANSTEEN (C., For. Mem. R.S.) Den Magnetiske Inclinations periodiske Forandringer. 4to. 1857. (Excerpt. K. Vet. Akad. Handl.)	The Author.
· · · · · · · · · · · · · · · · · · ·	The Author.
HENWOOD (W. J., F.R.S.) Note on Changes produced by the Deepening and	The Author.
Extension of Mines on the Temperatures at their previous Bottoms. 8vo. Penzance 1859.	
	The Author.
HERMITE (—.) Sur la Théorie des Équations Modulaires et la Résolution de	The Author.
l'Equation du cinquième Degré. 4to. Paris 1859.  HEYWOOD (J., F.R.S.) Academic Reform and University Representation.	The Author.
8vo. London 1860.	The Ramor.
HOCHSTETTER (F.) Lecture on the Geology of the Province of Auckland, New	The Author.
Zealand. fol. Auckland 1859.	
HOGG (J., F.R.S.) Notice of the Annals of Granius Licinianus, as contained	The Author.
in a Palimpsestic MS. brought from Egypt. 8vo. London 1859.	
Additional Inscriptions from the Hauran and the Eastern	- The second of
Desert of Syria. 8vo. London 1859.	

PRESENTS. Donors. HOGG (J., F.R.S.) On the History of Iceland, and its Language and Literature. The Author. 8vo. London 1859. (Excerpts from Trans. Roy. Soc. Lit.) — On Gebel Hauran; its adjacent Districts, and the Eastern Desert of Syria, &c. 8vo. Edinburgh 1860. (From Edinb. New Phil. Journ.) HOLDSWORTH (J.) A Battle with the Basalts, &c. 8vo. Edinburgh 1855. The Author. HOLTMAN (V.) Association Scientifique Universelle. 8vo. Bruxelles 1860. The Author. HORSFIELD (T.) and MOORE (F.) A Catalogue of the Lepidopterous Insects The India Office. in the Museum of Natural History at the East India House. Vol. II. 8vo. London 1858-59. JOHNSTONE (W. G.) and CROALL (A.) The Nature-Printed Seaweeds, &c. &c. H. Bradbury. Nature-Printed by H. Bradbury. Vol. III. Melanospermeæ. 8vo. London 1860. JOURNALS:-Astronomische Nachrichten. Band 51. 4to. Altona 1859. The Observatory. Cosmos. Vol. XIV. Nos. 21-26, and Title and Index. Vol. XV. Nos. 1-27. L'Abbé Moigno. Vol. XVI. Nos. 1-19. 8vo. Paris 1859-60. L'Hydrothérapie. Journal. 8vo. Paris 1859. The Editor. The American Journal of Science and Arts. Vol. XIX. No. 56, 1855. Vol. XXII. The Editors. No. 66, 1856. Vols. XXVII. XXVIII. & XXIX. 1859-60. 8vo. Newhaven. The Athenaum. May to December 1859; January to May 1860. The Editor. The Atlantis: a Register of Literature and Science. Conducted by Members The Editors. of the Catholic University of Ireland. Nos. 4 & 5. 8vo. 1859-60. The Builder. Vol. XVII. Nos. 851-882, Vol. XVIII. Nos. 883-906. 4to. The Editor. London 1859-60. The Chemical News. Nos. 1-28, 1859. 8vo. 1859-60. The Editor. The Editor. The Geologist. Vol. II. Nos. 18-24. Vol. III. Nos. 25-30. 8vo. London 1859-60. The Journal of Mental Science. Vol. V. No. 30. Vol. VI. Nos. 32 & 33. 8vo. The Editor. London 1859-60. The Editor. The Literary Gazette. June to December 1859; January to May 1860. The Mathematical Monthly. Vol. I. No. 8. Vol. II. Nos. 3, 4 & 5. 4to. New W. Sharswood, Esq. York 1859-60. The Philosophical Magazine. June to December 1859; January to June W. Francis, Esq. 1860. 8vo. The Author. KNOBLAUCH (H.) Ueber das Verhalten Krystallisiter Körper zwischen elektrischen Polen, 8vo. Berlin 1851. — Gangunterschied durch ungleiche Wegeslängen in einem und demselben Medium. 8vo. Berlin 1859. (From Monatsb. Akad. Berlin.) Ueber die Doppelbrechung der strahlenden Wärme. Ueber die Beugung der strahlenden Wärme. 8vo. Berlin 1848. Ueber die Abhängigkeit des Durchgangs der strahlenden Wärme durch Krystalle von ihrer Richtung in denselben I. II. 8vo. Berlin. Ueber den Einfluss welchen Metalle auf die strahlende Wärme ausüben. 8vo. Berlin 1857. (From Poggendorff's Annalen.) De Caloris Radiante Disquisitiones Experimentis quibus-

dam novis illustratæ. 4to. Berolini 1846.

PRESENTS. Donors. KNOBLAUCH (H.) Ob bei verschiedenen Holzarten ein gewisser Zusammen-The Author. hang zwischen den an ihnen beobachteten physikalischen Eigenschaften, z. B. Wärmeleitungs-Erscheinungen, Klangverhältnissen, u.s.w. und ihren Structurverhältnissen erkennbar sei. 4to. Halle 1858. (From Sitzungsb. naturf. Gesell. Halle.) KÖLLIKER (A.) Ueber das ausgebreitete Vorkommen von pflanzlichen Para-The Author. siten in den Hartgebilden niederer Thiere. 8vo. Würzburg 1859. (Excerpt. Zeitschr. Wiss. Zool.) Ueber die Beziehungen der Chorda dorsalis zur Bildung der Wirbel der Selachier und einiger andern Fische. 8vo. Würzburg 1860. (Excerpt. Verhandl. Würzb. phys. Med. Gesell.) — A Manual of Human Microscopic Anatomy. 8vo. London 1860. KUPFFER (A. T., For. Mem. R.S.) Annales de l'Observatoire Physique cen-The Observatory. tral de Russie. Année 1856. Nos. 1 & 2. 4to. St. Pétersbourg 1858. - Compte Rendu Annuel. Année 1857. 4to. St. Pétersbourg 1858. LACHLAN (R.) A Paper and Resolutions in Advocacy of the Establishment The Smithsonian Institution. of a Uniform System of Meteorological Observations. 8vo. Cincinnati 1859. LAMONT (J., For. Mem. R.S.) Monatliche und jährliche Resultate der an der The Observatory. k. Sternwarte bei München in dem 32 jährigen Zeitraume 1825-56 angestellten meteorologischen Beobachtungen. III. Supplement-Band. 8vo. München 1859. Jahresbericht der k. Sternwarte für 1858. 8vo München 1859. Untersuchungen über die Richtung und Stärke des Erdmagnetismus in Nord-Deutschland, &c. 4to. München 1859. LEA (J.) Observations on the Genus Unio. Vol. VI. Part 2. and Vol. VII. 4to. The Author. Philadelphia. ——— Descriptions of New Species of Unionidæ, &c. 8vo. Philadelphia 1860. (Extracts Proc. Amer. Acad.) —— Description of Twenty-seven New Species of Uniones from Georgia. 8vo. Philadelphia 1859. J. Leidy, M.D. LEIDY (J.) and HAYDEN (F. V.) Geological Sketch of the Estuary and Fresh Water Deposit forming the Bad Lands of the Judith River, &c. 4to. Philadelphia 1859. (From Trans. Amer. Phil. Soc.) LE VERRIER (U. J. J., For. Mem. R.S.) Annales de l'Observatoire Impérial The Observatory. de Paris. Observations, Tome II. 4to. Paris 1859. The Author. LIHARZIK (F.) Anhang als Berichtigung der Application des Gesetzes. Svo. The Author. LOWE (E. J.) A Natural History of Ferns. Vols. VII. & VIII. Parts 91-108, and 111-114. 8vo. London. Beautiful-leaved Plants. Parts 3, 8, 10 & 11. 8vo. London. The Observatory. LUTHER (E.) Astronomische Beobachtungen auf der k. Universitäts-Sternwarte zu Königsberg. Abth. 32. fol. Königsberg 1859. M'COMBIE (Hon. T.) The History of the Colony of Victoria, from its Settlement The Author. to the Death of Sir Charles Hotham. 8vo. Melbourne, and London 1858. - Report on the Aborigines of Victoria. fol. Melbourne

1859.

Presents.	Donors.
MACLAUCHLAN (H.) Memoir written during a Survey of the Roman Wall,	
through the Counties of Northumberland and Cumberland, in the Years	Northumberland, F.R.S.
1852-54. 8vo. London 1858.	
Memoir written during a Survey of the Watling Street,	
from the Tees to the Scotch Border, in the Years 1850 and 1851. 8vo.	
London 1852.	
Plans and Illustrations of the Roman Wall and of the	and the second s
Principal Vestiges of Roman Occupation in the North of England. imp. fol.	
1857. (Printed for private distribution.)	
MAEDLER (J. H.) Beobachtungen der Kaiserlichen Universitäts-Sternwarte	The Observatory.
Dorpat. Bd. XV. Abth. 1. 4to. Dorpat 1859.	•
MAGLIOZZI (M.) Notizie Storiche intorno l'Invenzione e l'Uso della Bus-	The Author.
sola, &c. 8vo. Napoli 1859.	
MAILLY (E.) Récitation d'un Voyage fait en Sicile et dans le Midi de l'Italie	The Author.
1858. 8vo. Bruxelles 1859.	
Précis de l'Histoire de l'Astronomie aux Etats-unis d'Amérique.	
8vo. Bruxelles 1860.	
MAPS, ENGRAVINGS, WORKS OF ART, &c.:-	
Track Survey of the River Parana. Sheets 3, 4, 5 & 7. 1855.	The Navy Department,
	Washington.
Fifty-six Maps and Charts, published by the Dépôt général de la Marine, Paris.	Dépôt de la Marine.
Rise and Fall of the River Indus from 1845 to 1858. Three Sheets of Curve	The India Office.
Diagrams: coloured.	
Two Photographs: Acacia Tree at Kensington, struck by Lightning 12th June,	W. Banting, Esq.
1859, and Remnants of the same.	, <u>,</u>
Portrait in Oil, with Gilt Frame, of the Earl of Rosse, late President of the	The Earl of Rosse.
Royal Society, painted by Catterson Smith, Esq.	
Portrait in Oil, with Gilt Frame, of the Very Rev. George Peacock, Dean of	The Committee of Sub-
Ely, F.R.S., &c., by Mr. Blakiston.	scribers to the Portrait.
Engraved Portrait of W. C. Mylne, Esq., F.R.S.	R. W. Mylne, Esq.
Original Electrical Machine of Dr. Priestley.	J. A. Bostock, Esq.
MARCET (W.) An Experimental Inquiry into the Action of Alcohol on the	The Author.
Nervous System. 8vo. London 1860.	
MARTIN (R.) Mémoire sur le Calendrier Musulman et sur le Calendrier Hé-	The Author.
braïque. 1ère Partie. 8vo. Paris 1857.	
MAURY (M. F.) Explanations and Sailing Directions, to accompany the	The Observatory, Washing-
Wind and Current Charts. Eighth Edition. Vol. II. 4to. Washington 1859.	ton.
MEEK (F. B.) and HAYDEN (F. V.) Descriptions of new Organic Remains	The Authors.
from North-eastern Kansas, indicating the Existence of Permian Rocks in	
that Territory. 8vo. 1858.	
Geological Explorations in Kansas Ter-	
ritory. 8vo. Philadelphia 1859. (Excerpt. Proc. Acad. Philad.)	
MEYER (H. von.) Zur Fauna der Vorwelt. Reptilien aus dem lithographischen	The Author.
Schiefer des Jura in Deutschland und Frankreich. II. Lieferung (Schluss).	
fol. Frankfurt a M. 1859.	
MÜHRY (A.) Allgemeine Geographische Meteorologie oder Versuch einer	The Author.
uebersichtlichen Darlegung des Systems der Erd-Meteoration in ihrer Kli-	
matisches Bedeutung. 8vo. Leipzig u. Heidelberg 1860.	
ALD GOOT T	

C

MDCCCLX.

PRESENTS. Donors. MULDER (G. J.) Scheikundige Verhandelingen en Onderzoekingen. 2de Deel. 3de Stuk. Svo. Rotterdam 1859. MURCHISON (Sir R. I., F.R.S.) Address at the Anniversary Meeting of the The Author. Royal Geographical Society, 23rd May, 1859. 8vo. London. NEWMAN (E.) A Natural History of all the British Butterflies. 4to. London. OWEN (R., F.R.S.) On the Classification and Geographical Distribution of the The Author. Mammalia; to which is added, an Appendix on the Gorilla, and on the Extinction and Transmutation of Species. 8vo. London 1859. PAGÈS (L.) Bibliographie Japonaise, ou Catalogue des Ouvrages relatifs au Mons. B. Duprat. Japon qui ont été publiés depuis le XVe Siècle jusqu'à nos Jours. 4to. Paris 1859. PASTEUR (L.) Mémoire sur la Fermentation alcoolique. 8vo. Paris 1860. The Author. PHILLIPS (J., F.R.S.) Address delivered at the Anniversary Meeting of the The Author. Geological Society of London, Feb. 17, 1860. 8vo. London 1860. PLANA (J., For. Mem. R.S.) Mémoire sur le Mouvement du Centre de Gra-The Author. vité d'un Corps solide lancé vers la Terre entre les Centres de la Lune et de la Terre, supposés fixes immédiatement après l'Impulsion. 4to. Turin 1859. - Réflexions nouvelles sur deux Mémoires de Lagrange publiés en 1769 dans le Tome 4 des Miscellanea Taurinensia. 4to. Turin 1859. Note sur le Procès de Galilée. 4to. Turin 1859. Mémoire sur la Théorie des Nombres. 4to. Turin 1860. Réflexions sur les Objections soulevées par Arago contre la Priorité de Galilée pour la double Découverte des Taches solaires noires et de la Rotation uniforme du Globe du Soleil. 4to. Turin 1860. (Extraits des Mém. de l'Acad. Turin.) PLANTAMOUR (E.) Résumé Météorologique de l'année 1858 pour Genève The Author. et le Grand St. Bernard. 8vo. Genève 1859. (Extrait Bib. Univ. de Genève.)

— Observations Astronomiques faites à l'Observatoire de Genève dans les années 1853 et 1854. XIe et XIIe Série. 4to. Genève 1859. (Supplément. Tom. XV. Mém. Soc. Phys.)

PLÜCKER (J., For. Mem. R.S.) Ueber die Einwirkung des Magneten auf die elektrischen Entladungen in verdünnten Gasen. 8vo.

POUDRA (...) Traité de Perspective-Relief. 8vo. Paris 1860, avec Atlas de 18 Planches. obl. 4to. Paris 1860.

PROFUMO (A.) De Interiori Sermonis Organo Commentariis. 8vo. Parisiis 1859.

QUEIPO (Vasquez V.) Essai sur les Systèmes métriques et monétaires des anciens Peuples depuis les premiers Temps historiques jusqu'à la Fin du Khalifat d'Orient. 3 Vols. 8vo. Paris 1859.

QUETELET (A., For. Mem. R.S.) Table de Mortalité pour le Brabant, d'après les Documents du Recensement de 1856. Svo.

 Sur la Constance dans le Nombre des Mariages et sur la Statistique Morale en général. 8vo. — Sur les Étoiles filantes et le Magnétisme

terrestre. 8vo.

The Ministry of the Interior of the Netherlands.

J.S. Bowerbank, Esq., F.R.S.

The Author.

The Author.

The Author.

The Author.

The Author.

# [ 19 ]

Presents.	Donors.
QUETELET (A., For. Mem. R.S.) Sur le Magnétisme terrestre; par M. Hansteen. 8vo.	The Author.
Sur la Différence des Longitudes entre Ber- lin et Bruxelles, detérminée par la télegraphie électrique. 8vo.	
Observations des Passages de la Lune et des Étoiles de même Culmination. 8vo.	
Sur les Étoiles filantes périodiques du mois d'Août 1858, observées en Allemagne.	
nu. 8vo.	
Bruxelles. 8vo. (Excerpts Bull. Acad. Brux.)	
Observations de Phénomènes Périodiques. 4to. Bruxelles. (Excerpt. Mém. Acad. Brux.)	
Annales de l'Observatoire Royal de Bruxelles. Tome XIV. 4to. Bruxelles 1859.	The Observatory.
Annuaire de l'Observatoire Royal, 26 <sup>e</sup> Année. 12mo. Bruxelles 1858.	
QUETELET (E.) Note sur l'Aurore boréale du 21 Avril 1859. 8vo.	Mons. A. Quetelet, For. Mem. R.S.
Éléments absolus du Magnétisme terrestre. 8vo.  Magnétisme terrestre à Bruxelles. 8vo.	
Note sur un Principe remarquable en Géométrie. 8vo.	Mark the September of t
RANKINE (W. J. M., F.R.S.) A Manual of the Steam-Engine and other	The Author.
Prime Movers. 8vo. London and Glasgow 1859.	777 A /1
RESLHUBER (P. A.) Magnetische Beobachtungen zu Kremsmünster im Jahre 1855. 4to. Wien 1858. (Excerpt. Jahrbücher k. k. Central-Anstalt.)	The Author.
Ueber die Witterungs-Anzeigen in den Kalendern. 4to.	
Linz 1857.	*
Untersuchungen über den Druck der Luft. Ein Beitrag zur Klimatologie Oberösterreichs. 8vo. Linz 1858.	-
Bericht über die Kometen von den Jahren 975, 1264, und 1556. 8vo. Linz 1857.	Serve And Manual School Company Servery
Resultate aus den im Jahre 1857 auf der Sternwarte zu Kremsmünster angestellten meteorologischen Beobachtungen. 8vo. Linz 1858.	APPENDED AND AN APPENDED AND APPENDED AND APPENDED AND APPENDED AND APPENDED AND APPENDED AND APPENDED APPENDED AND APPENDED APPE
The same for 1858. 8vo. Linz 1859.	
Ueber das Wetterleuchten. 8vo. Wien 1858. (Ex-	By the hand of the second of t
cerpt. Sitzungsberichte, Wien.) RICHARDSON (Sir J., F.R.S.) Polar Regions. (Article in the Encyclopædia Britannica, Vol. XVIII.) 4to.	The Author.
ROBINSON (Rev. T. R., F.R.S.) Places of 5345 Stars observed from 1828 to 1854 at the Armagh Observatory. 8vo. Dublin 1859.	The Author.
RUNKLE (J. D., Editor.) The Mathematical Monthly. Vol. I. 8vo. Cambridge (U.S.) and London 1859.	The Editor.
SABINE (Major-Gen. E., Treas. R.S.) Observations made at the Magnetical and Meteorological Observatory at St. Helena, with Discussions of the Observations at St. Helena, the Cape of Good Hope, the Falkland Islands, Carlton Fort in North America, and Pekin. Vol. II. 1844-49. 4to. London 1860.	The Government.

PRESENTS. Donors. SCHULTZ (H.) Declinations-Bestimmungen mit dem Dollond'schen Durch-The Author, by W. De la gangs-Instrumente auf der Berliner Sternwarte. 4to Berlin 1858. Rue, Esq., F.R.S. The Editor. SCORESBY (Rev. W.) Journal of a Voyage to Australia and Round the World for Magnetical Research. Edited by Archibald Smith, Esq., F.R.S. 8vo. London 1859. SECCHI (A., For. Mem. R.S.) Misura della Base trigonometrica eseguita sulla The Collegio Romano. Via Appia per Ordine del Governo Pontifico vel 1854-55. 4to. Roma 1858. SILJESTRÖM (P. A.) Afhandlingar och smärre Uppsatser i Fysika och Filo-The Author. sofiska Ämnen. Andra Häftet. 8vo. Stockholm 1857. SMYTH (C. P., F.R.S.) Teneriffe Fossils, and Sir Charles Lyell's Notice in the The Author. Philosophical Magazine for July 1859. 8vo. (From the Phil. Mag.) SMYTH (R. BROUGH) Abstract of Meteorological Observations taken in Vic-The Colonial Government. toria, 1857 and 1858. fol. Melbourne. Second and Third Meteorological Report, 1856-58. fol. Melbourne. SOLVYNS (E.) Application de l'Analyse aux Sauts du Cavalier du Jeu des The Author. Échecs. 8vo. Bruxelles 1856. SPRATT (Capt. T.) A Dissertation on the true Position of Pelusium and Fa-The Admiralty. rama. fol. London 1859. An Investigation of the Effect of the Prevailing Wave The Admiralty. Influence on the Nile's Deposits. fol. London 1859. STAINTON (H. T.) The Natural History of the Tineina. Vol. IV. containing The Author. Coleophora. Part I. 8vo. London 1859. The Author. STUDER (B.) Ueber die natürliche Lage von Bern. 4to. Bern 1859. The Author. SYLVESTER (J. J., F.R.S.) Outline of first Lecture on the Partitions of Numbers. 8vo. Woolwich 1859. TAYLOR (W.) On the Education of the Blind, &c. 12mo. London 1859. The Author. - A Short Sketch of the Life of J. W. Klein. (Translated and Abridged.) 12mo. London 1859. On the Relation of the Blind to the World around them. (Translated.) 12mo. London 1859. THOMAS (L.) Rifled Ordnance. A Practical Treatise on the Application of The Author. the Principle of the Rifle to Guns and Mortars, &c. 8vo. London 1859. THOMSON (J.) An Account of the Life, Lectures and Writings of William Dr. Allen Thomson, F.R.S., Cullen, M.D. 2 Vols. 8vo. Edinburgh and London 1859. (Commenced by and Dr. Craigie. Dr. J. Thomson and Dr. W. Thomson, and concluded by D. Craigie, M.D.) TORTOLINI (B.) Sulle Figure Inverse. 4to. Roma 1859. (Excerpt. Annali di The Author. Matemat.) TOYNBEE (J.) The Diseases of the Ear: their Nature, Diagnosis and Treat-The Author. ment. 8vo. London 1859. VIGNOLES (C.) Observations to accompany the Map of the Shadow-Path The Author. thrown by the Total Eclipse of the Sun on the 18th July 1860, across the North-Eastern Part of Spain. 8vo. London 1860. Map of the Shadow-Path thrown by the Total Eclipse of the The Compiler.

Sun, 18th July 1860, across Spain. Compiled from authentic Materials

extant, by C. Vignoles, Esq. F.R.S.

#### PRESENTS. Donors. VOLPICELLI (P.) Sugli Elettrometri. 4to. Roma 1858. The Author. Sulla Polarità Elettrostatica. Quarta comunicazione. 4to. Roma 1859. Sulla Elettrostatica Induzione. Quinta comunicazione. 4to. Roma 1858. WALKER (C. V., F.R.S.) Electric Clocks, Electro-Metallurgy, Electro-The Author. Telegraphy. 8vo. (Excerpt from Ure's Dictionary of Arts, &c.) Electrotype Manipulation. Part I. Being the Theory and Plain Instructions in the Art of Working in Metals, &c. Twenty-ninth Edition. 8vo. London 1859. WEITENWEBER (W. R.) Systematisches Verzeichniss der Böhmischen Trilo-The Author. biten. 8vo. Prag 1857. (Aus dem Jahrg. der "Lotos.") Der arabische Kaffee. Second Edition. 8vo. Prag 1837. Aus dem Leben und Wirken des Herrn Dr. J. T. Held's. Eine Festschrift. 8vo. Prag 1847. Mittheilungen über die Pest zu Prag in den Jahren 1713-1714. 4to. Prag 1852. (From Abh. k. böhm. Gesell.) - Dr. Joseph Carl Ed. Hoser's Rückblicke auf sein Leben und Wirken. 8vo. Prag 1848. WELD (C. R.) The Pyrenees, West and East. 8vo. London 1859. The Author. WHITE (Walter.) Northumberland and the Border. Second Edition. 8vo. The Author. London 1859. WROTTESLEY (The Lord, F.R.S.) Thoughts on Government and Legislation. The Author. 8vo. London 1860.

The Author.

WYATT (J.) Flint Implements in the Drift. 8vo. Bedford 1860.